

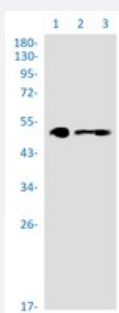
RecomAb™

MEF2A/MEF2C recombinant monoclonal antibody, clone R04-8B2

Catalog # RAB04410

Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: C6 whole cell lysate, Lane 2: mouse brain tissue and Lane 3: rat brain tissue with MEF2A/MEF2C recombinant monoclonal antibody, clone R04-8B2 (Cat # RAB04410).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MEF2A/MEF2C.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human MEF2A/MEF2C.
Theoretical MW (kDa)	Calculated MW: 51 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: C6 whole cell lysate, Lane 2: mouse brain tissue and Lane 3: rat brain tissue with MEF2A/MEF2C recombinant monoclonal antibody, clone R04-8B2 (Cat # RAB04410).

Gene Info — MEF2A

Entrez GeneID[4205](#)**Protein Accession#**[Q06413;Q02078](#)**Gene Name**

MEF2A

Gene Alias

ADCAD1, RSRFC4, RSRFC9

Gene Description

myocyte enhancer factor 2A

Omim ID[600660 608320](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The process of differentiation from mesodermal precursor cells to myoblasts has led to the discovery of a variety of tissue-specific factors that regulate muscle gene expression. The myogenic basic helix-loop-helix proteins, including myoD (MIM 159970), myogenin (MIM 159980), MYF5 (MIM 159990), and MRF4 (MIM 159991) are one class of identified factors. A second family of DNA binding regulatory proteins is the myocyte-specific enhancer factor-2 (MEF2) family. Each of these proteins binds to the MEF2 target DNA sequence present in the regulatory regions of many, if not all, muscle-specific genes. The MEF2 genes are members of the MADS gene family (named for the yeast mating type-specific transcription factor MCM1, the plant homeotic genes 'agamous' and 'deficiens' and the human serum response factor SRF (MIM 600589)), a family that also includes several homeotic genes and other transcription factors, all of which share a conserved DNA-binding domain.[supplied by OMIM]

Other Designations

MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A)

Gene Info — MEF2C

Entrez GeneID	4208
Protein Accession#	Q06413;Q02078
Gene Name	MEF2C
Gene Alias	-
Gene Description	myocyte enhancer factor 2C
Omim ID	600662
Gene Ontology	Hyperlink
Gene Summary	polypeptide C (myocyte enhancer factor 2C)
Other Designations	MADS box transcription enhancer factor 2, polypeptide C (myocyte enhancer factor 2C)

Pathway

- [MAPK signaling pathway](#)

Disease

- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Chromosome Deletion](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)

- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Mental Retardation](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Polycystic Ovary Syndrome](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)